

Section C: WORK STATEMENT, DESCRIPTIONS, SPECIFICATIONS AND MAPS.

Batson Stewardship Reforestation - Timber Stand Improvement (Ash Stand Treatment)

C.1 - SCOPE OF WORK

The service work covered in this contract is for the furnishing of all labor, equipment, supervision, transportation, operating supplies and incidentals, and performing all work necessary to accomplish service work including but not limited to: ash stand treatment, in compliance with the terms, specifications, conditions and provisions of this contract.

C.2 - DESCRIPTION AND LOCATION

All areas are located in Itasca County and Cass County within the boundaries of the Chippewa National Forest in north central Minnesota (refer to the schedule of items and maps). All of the stands to be treated are in an area west of Lake Winnibigoshish and east of MN Highway 6. Please see the attached maps for specific stand locations.

Most units have access, however some locations may have limited access and/or require snow plowing. Roads used for access will be county roads, forest service roads or temporary roads. Temporary roads may need to be opened before treatments can begin and shall be reclosed in the same manner of prior closure before the unit can be accepted.

Definitions

DBH (Diameter at breast height) - Diameter of the trunk of the tree measured at 4.5 feet above the ground level on the uphill side of the tree.

Dry soil season- When the ground is dry and will not easily rut. If dry soil season is required, work without dry soil conditions must be approved by the Contracting officer/ service work inspector (COR/SWI) before any operations can begin. Generally the normal dry period is between July 1 and September 15.

Frozen soil conditions- When the ground is frozen to a depth that will support equipment. If frozen soil season is required, work without frozen soil conditions must be approved by the COR/SWI before any operations can begin. Generally the normal frozen period is between December 1 and March 15.

Leave tree- Any tree that is required to be left standing as provided by the specifications. Live trees 5 inches DBH for all conifer and 8 inches DBH for basswood, oak, elm, maple and birch and all trees with orange paint markings.

BA (Basal area) - Basal area is the area of a given section of land that is occupied by the cross-section of tree trunks and stems at the base. The term is used in forest management and forest ecology.

Workable area- Workable refers to the areas within a stand that can be manipulated to desired results. Workable area excludes areas identified by the COR/SWI and areas where resource damage will result.

C.3 - GENERAL SPECIFICATIONS

Objective of this treatment is to fell all trees with a DBH greater than 2 inches and within 75 feet of a plot center tree (except for leave trees as defined above).

All merchantable trees as defined in AT.2 of contract shall be skidded and decked. All decked timber shall be cut into 100 inch lengths and hauled to Forest Service Jessy Lake gravel pit and decked.

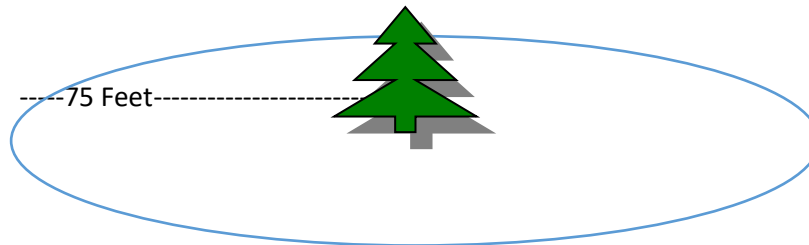
Equipment to be used shall be equipped with a Forest Service approved spark arrestor, safety canopy and a serviceable fire extinguisher.

All work under this contract shall be performed in a skillful and workman –like manner. The COR/SWI may require, in writing, that the contractor removes from the work any employee the COR/SWI deems incompetent, careless or objectionable.

Key personnel are those personnel considered essential for successful completion of this contract. All key personnel shall be identified in the contractor's technical proposal.

Damage done to roads by the contractor will be repaired immediately by the contractor as directed by the COR/SWI.

C.4 - TECHNICAL SPECIFICATION



The center of the plot shall be determined by the contractor, using GPS, established waypoints and stand maps that will be provided by the Forest Service. All plot centers shall be mutually agreed upon with the Forest Service.

All trees with a DBH greater than 2 inches and within 75 feet of the center tree shall be felled, (except for leave trees as defined above).

Stump heights shall not exceed 6" for saplings and pulp and 12" for saw as measured from the ground.

All of the trees merchantable pieces shall be skidded and decked at a predetermined and mutually agreed upon location.

All skid lanes shall be 12 feet wide, predetermined and mutually agreed upon.

All material shall be cut into lengths of 100 inches, hauled and decked into piles in the Jessy Lake Pit.

Jessy Pit (decking area) is located off of Itasca County Road 35 and Forest Road 3236 (see attached vicinity map).

There are a total of 72 plots in 21 stands with a total volume estimated to be 400 cords (less skid trail trees).

All leave trees shall be left standing unless required to be felled for safety reasons.

Monumented trees and corners shall not be disturbed.

Avoid creating ruts greater than 6" deep. Rutting will be considered excessive if more than 5% of the area is impacted. Rutting in slopes greater than 18% will require water barring as approved by the COR/SWI.

There will be no trash left on National Forest land by the contractor or the contractor's employees or subcontractor.

The preferred method of arranging slash is to have it scattered across the site.

C.5 - PERIOD OF PERFORMANCE

Work on activity units may begin award date 2020 during frozen soil conditions only until spring of 2022.

Schedule of Items 1				
TSI Ash Stand Treatment				
Unit Number	Each Gaps	Season	Legal Description	Setting ID
1	4	Frozen	T .148 N R .27W sec. 01	090303000060001
2	5	Frozen	T .148 N R .27W sec. 13	090303000150020
3	4	Frozen	T .148 N R .27W sec. 24	090303000230021
4	1	Frozen	T .148 N R .27W sec. 13	090303000230020
5	3	Frozen	T .148 N R .27W sec. 28	090303000270006
6	4	Frozen	T .148 N R .27W sec. 27	090303000270023
7	4	Frozen	T .148 N R .27W sec. 27	090303000270036
8	3	Frozen	T .148 N R .27W sec. 27	090303000270041
9	3	Frozen	T .148 N R .26W sec. 30	090303000300076
10	3	Frozen	T .148 N R .26W sec. 30	090303000300074
11	3	Frozen	T .148 N R .26W sec. 31	090303000300034
12	4	Frozen	T .148 N R .26W sec. 23	090303000180013
13	3	Frozen	T .148 N R .26W sec. 34	090303000310017
14	5	Frozen	T .147 N R .28W sec. 13	090303000590039
15	2	Frozen	T .147 N R .28W sec. 24	090303000600005
16	3	Frozen	T .146 N R .26W sec. 02	090303000920020
17	2	Frozen	T .146 N R .26W sec. 28	090303001090003
18	4	Frozen	T .146 N R .26W sec. 28	090303001250061
19	4	Frozen	T .145 N R .26W sec. 05	090303001340016
20	6	Frozen	T .144 N R .27W sec. 23	090303001880050
21	2	Frozen	T .144 N R .27W sec. 23	090303002000070
Total	72			